Title (en)

RADIAL PISTON PUMP

Title (de

RADIALKOLBENPUMPE

Title (fr)

POMPE A PISTONS RADIAUX

Publication

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Application

EP 99922070 A 19990324

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- DE 9900862 W 19990324
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Abstract (en)

[origin: DE19829546A1] The invention relates to a radial piston pump, comprising a drive shaft which is mounted in a pump housing and configured eccentrically or in its direction of circumference has cam-like raised areas, and preferably several pistons which are positioned radially in relation to the drive shaft and are each housed in an element hole. When the drive shaft is rotated the pistons are displaced radially backwards and forwards in their element holes, a plate being held at the ends of the pistons facing the drive shaft. A first variation of the invention is characterized in that in the surface of the plate facing the pistons one or more recesses are provided for in which in the assembled state snap hooks engage which are embodied on a plate support attached to the corresponding piston. A second variation of the invention is characterized in that in the middle of the surface of the plate facing the piston a blind hole having a circumferential groove is configured in which a snap ring engages which is held in a groove in the piston. A third variation of the piston is characterized in that in the middle of the surface of the plate facing the piston a blind hole and two parallel holes are configured which run parallel to the blind hole in such a way that the center lines of the holes are tangential to the lateral area of the blind hole. The holes serve to house two pins which when inserted engage a groove embodied at the level of the piston.

IPC 1-7

F04B 1/04

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